

Utah Geological Survey
Water Resource Bulletin 29
Plate 5 E, F
2002

Structure-Contour Maps of Selected
Stratigraphic Ground-Water Compartments,
Kamas Valley and Western Uinta
Mountains, Summit County, Utah

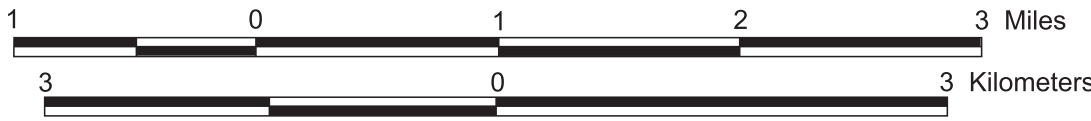
Compiled by H. A. Hurlow

These structure-contour maps are based on projection of surface data (plate 1), and incorporate limited subsurface data (appendix A). These diagrams represent the author's best estimate of subsurface relations, but should not be regarded as exact. Future subsurface data may either confirm or indicate revision of these structure-contour maps.

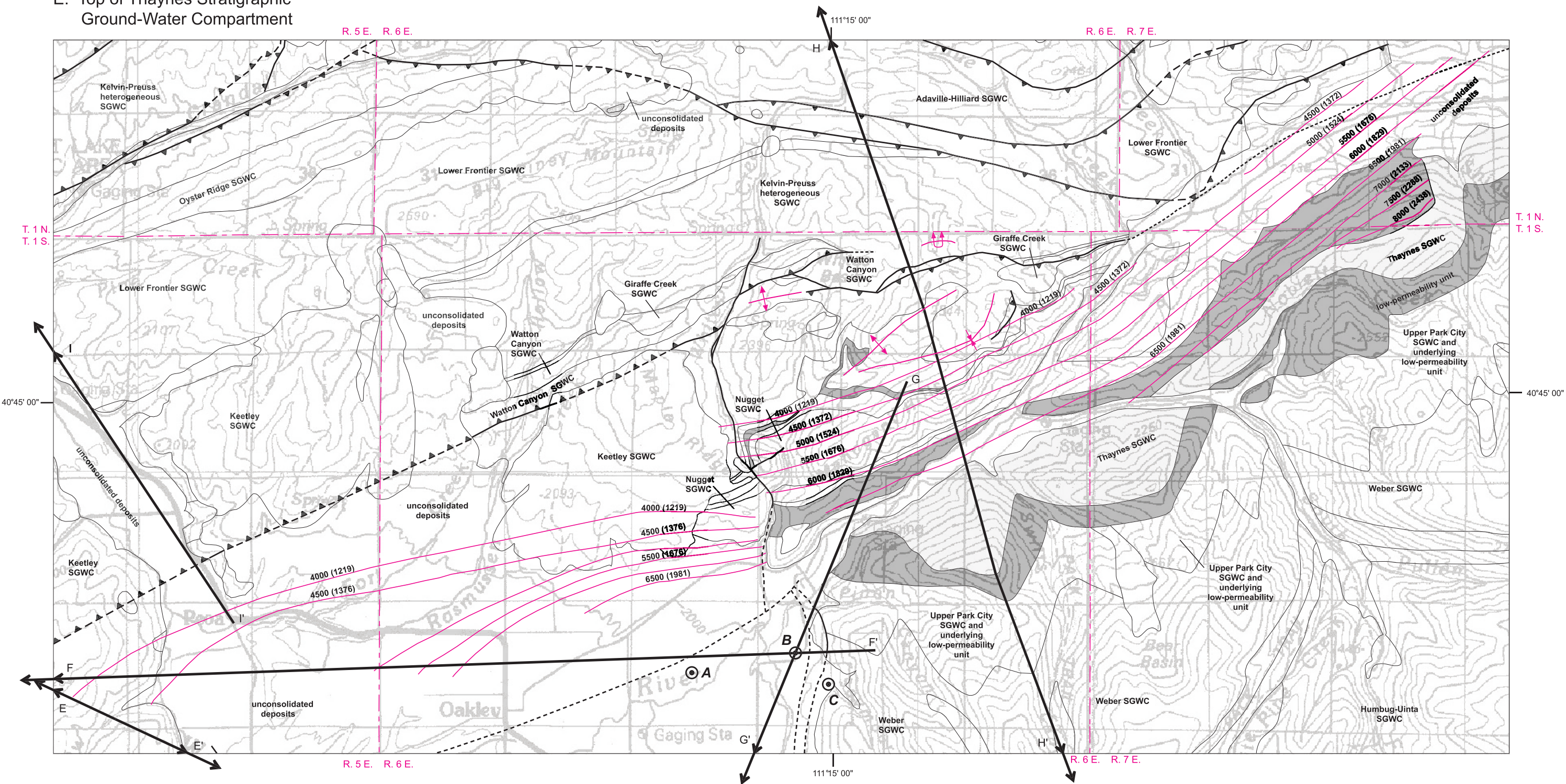
The depth from the land surface to the top or base of a SGWC at a particular location is the difference between the surface elevation at the point of interest and the elevation of the top or base of the SGWC. The vertical thickness of the SGWC is the difference between the elevations of its top and base at a particular point. Elevations of SGWC surfaces between contour lines can be obtained by linear interpolation between the closest two contour lines.



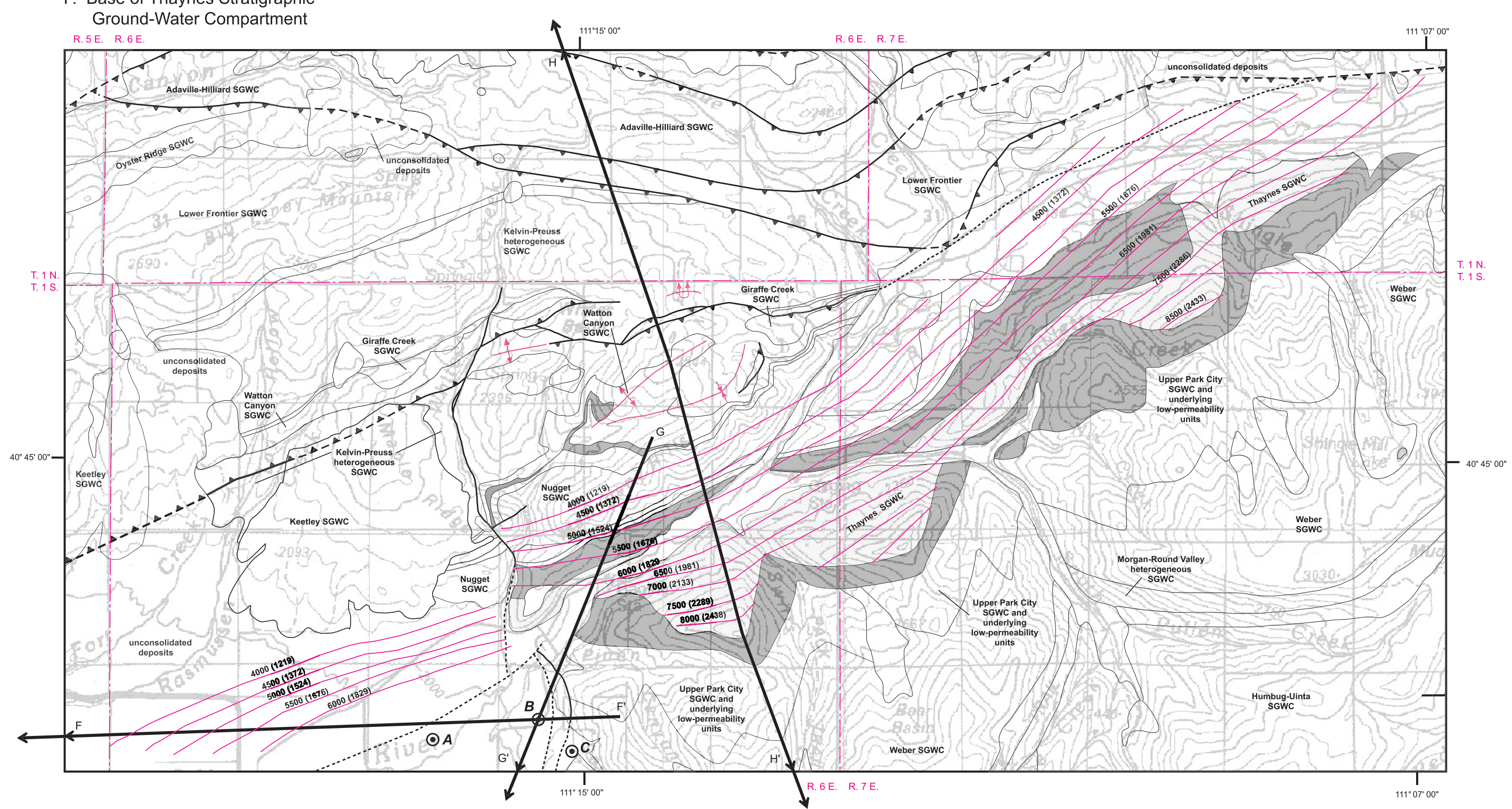
Contour interval 500 feet (152 m)



E. Top of Thaynes Stratigraphic
Ground-Water Compartment



F. Base of Thaynes Stratigraphic
Ground-Water Compartment



EXPLANATION

- Contact**
- Faults**; dashed where approximate, dotted where concealed.
- Thrust; sawteeth on upper plate.
- Normal; bar and ball on downthrown side.

- Folds**
- Anticline
- Overturned anticline
- Syncline
- Cross section (see plate 3); arrows indicate extension beyond map.

- Contour line, showing elevation of top or base of stratigraphic ground-water compartment, in feet (meters). Datum is mean sea level.

Hydrostratigraphic Units

- Thaynes SGWC
- Low-permeability unit
- Water well (see table A.2)

Base map from U.S. Geological Survey,
Salt Lake City 30 x 60 minute quadrangle
Projection: UTM zone 12
Units: meters
Datum: 1927 North American
Spheroid: Clarke 1866

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